

Comparisons of Job Characteristics

Focus Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation: Ship Engineers (53-5031)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation: Ship Engineers (53-5031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	21.4	14.7	<< Extensive education and/or training may be required
Public Safety and Security	6.9	15.3	12.7	< Expanded education and/or training may be required
Engineering and Technology	5.7	13.9	10.9	<< Extensive education and/or training may be required
Transportation	4.6	12.4	11.5	0 Current knowledge level may be sufficient
Law and Government	5.9	11.6	4.6	<< Extensive education and/or training may be required
Design	5.2	10.8	3.6	<< Extensive education and/or training may be required
Telecommunications	3.9	7.0	4.9	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation: Ship Engineers (53-5031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Equipment Maintenance	3.5	11.6	8.7	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	11.6	9.3	< A higher skill level may be required
Operation Monitoring	6.6	11.5	12.3	0 Current skill level may be sufficient
Repairing	3.4	10.8	8.7	< A higher skill level may be required

Quality Control Analysis	5.9	10.6	8.7	<	A higher skill level may be required
Operation and Control	5.4	10.3	11.2	0	Current skill level may be sufficient
Equipment Selection	3.3	8.2	7.2	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 52			
Focus Occupation: Sailors and Marine Oilers (53-5011) Associated Occupation: Ship Engineers (53-5031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	11.5	10.8	0	Current ability level may be sufficient
Selective Attention	8.7	11.0	9.8	<	Some improvement in abilities may be required
Visualization	7.5	10.7	9.5	<	Some improvement in abilities may be required
Extent Flexibility	4.8	9.5	9.7	0	Current ability level may be sufficient
Auditory Attention	5.9	9.2	11.9	>>	Current ability level is likely more than sufficient
Hearing Sensitivity	5.6	8.6	10.0	>	Current ability level is likely sufficient
Rate Control	3.8	7.9	8.2	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	6.1	9.4	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Sailors and Marine Oilers (53-5011) Associated Occupation: Ship Engineers (53-5031)		
Work Activities	Exclusivity of Activity	
Direct and coordinate activities of workers or staff	3	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Maintain or repair ship/boat engine, machinery or equipment	89	
Maintain records, reports, or files	5	
Perform safety inspections in transportation setting	62	
Stand watch on vessel	92	
Understand technical operating, service or repair manuals	6	
Use hand or power tools	2	
Use two-way radio or mobile phone	42	
Use weighing or measuring devices in transportation	82	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation: Ship Engineers (53-5031)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.